Index

(R) indicates Book Review

Aberhan, M. Terrane history of the Canadian Cordillera: estimating amounts of latitudinal displacement and rotation of Wrangellia and Stikinia, 481
Abnormal Pressures in Hydrocarbon Environments (R), 600
Acadian Orogeny, 159
Adana Basin, 311
The Adequacy of the Fossil Record (R), 213
Africa (R), 218, 339
Age Determination of Young Rocks and Artifacts. Physical and Chemical Clocks in Quaternary Geology and Archaeology (R), 336
Aggregate Resources. A Global Perspective (R), 218
Agrell, S. O., Chinner, G. A. & Rowley, P. D. The black skarns of Pine Canyon, Piute County, Utah, 343
Ainsaar, L., Meidla, T. & Martma, T. Evidence for a widespread carbon isotopic event associated with late Middle Ordovician sedimentological and faunal changes in Estonia, 49
Air pollution (R), 332
Alps (R), 705
Amniote Origins. Completing the Transition to Land (R), 86
Anatexis, 527
Ancient Marine Reptiles (R), 93
Anderson, L. I., Dunlop, J. A., Eagar, R. M. C., Horrocks, C. A. & Wilson, H. M. Soft-bodied fossils from the roof shales of the Wigan Four Foot coal seam, Westhoughton, Lancashire, UK, 321
Anderson, T. B., Holdsworth, R. E. & Beacom, L. E. Using basement-hosted clastic dykes as syn-rifting palaeostress indicators: an example from the basal Stoer Group, northwest Scotland, 301
Anglo-Brabant Massif, 465
Anglo-Paris Basin, 17, 361
Ansari, M. H., Scourse, J. D., Austin, W. E. N. & Sejrup, H. P. Foraminiferal isoleucine epimerization determinations from the Nar Valley Clay, Norfolk, UK: implications for Quaternary correlations in the southern North Sea basin, 543
Antarctica, 1
Archaeology (R), 87, 336
Argentina, 119
Argon isotope, 513
Arkose, 527
Armstrong, H. A., Grant, S. F. & Coe, A. L. Sequence stratigraphy of the Coniacian succession of the Anglo-Paris Basin, 17
Arthropod, 321; (R) 98, 707
Arthropod Fossils and Phylogeny (R), 707
Asia (R), 101
Atlas (R), 220, 476, 477, 706
Atlas and Data of Solid-Solution Equilibria of Marine Evaporites (R), 477
Atlas for Coal Petrography of China (R), 706
Austin, W. E. N., Sejrup, H. P., Ansari, M. H. & Scourse, J. D. Foraminiferal isoleucine epimerization determinations from the Nar Valley Clay, Norfolk, UK: implications for Quaternary correlations in the southern North Sea basin, 543
Australia, 619; (R) 704
Autobiography (R), 337, 478
Backhouse, J., Featherstone, W. E., Koeberl, C., Dentith, M. C. & Bevan, A. W. R. Yallalie: a buried structure of possible impact origin in the Perth Basin, Western Australia, 619
Basin, development, 133; extensional, 241; sedimentation in, 241, 311; (R) 88, 476
Basin-Wide Diagenetic Patterns. Integrated Petrologic, Geochemical, and Hydrologic Considerations (R), 88
Batchelor, R. A. & Jeppsson, L. Wenlock metabentonites from Gotland, Sweden: geochemistry, sources and potential as chemostratigraphic markers, 661
Beacom, L. E., Anderson, T. B. & Holdsworth, R. E. Using basement-hosted clastic dykes as syn-rifting palaeostress indicators: an example from the basal Stoer Group, northwest Scotland, 301
Beddoe-Stephens, B., Young, B. & Millward, D. Pre-Acadian copper mineralization in the English Lake District, 159
Benedetto, J. L., Vaccari, N. E., Lehnert, O. & Bergström, S. M. First record of Lower Silurian conodonts from South America: biostratigraphic and palaeobiogeographic implications of Llandovery conodonts in the Precordillera of Argentina, 119
Bentonite, 361, 661
Bergström, S. M., Benedetto, J. L., Vaccari, N. E. & Lehnert, O. First record of Lower Silurian conodonts from South America: biostratigraphic and palaeobiogeographic implications of Llandovery conodonts in the Precordillera of Argentina, 119
Bevan, A. W. R., Backhouse, J., Featherstone, W. E., Koeberl, C. & Dentith, M. C. Yallalie: a buried structure of possible impact origin in the Perth Basin, Western Australia, 619
Big Cats and Their Fossil Relatives (R), 703
Biogeography, 2nd ed. (R), 475
Biography (R), 216, 217, 337, 478, 600, 601
Biozonation, 263
Bivalve, 481
Black Sea (R), 96
Bolu Massif, 579
Bonini, M. Basement-controlled Neogene polyphase cover thrusting and basin development along the Chianti Mountains ridge (Northern Apennines, Italy), 133
Bröcker, M. & Enders, M. U–Pb zircon geochronology of unusual eclogite-facies rocks from Syros and Tinos (Cyclades, Greece), 111
Builth Wells, 263
Bulnes, M. & Poblet, J. Estimating the detachment depth in cross sections involving detachment folds, 395
Burgess Shale (R), 83
Bustillo, M. A., Garcia-Guinea, J., Martinez-Frias, J. & Delgado, A. Unusual sedimentary geodes filled by gold-bearing hematite laths, 671

California (R), 219
Cambrian, 39, 633; (R) 91, 98
Cambrian Bradoriid and Phosphatocopid Arthropods of North America (R), 98
Camelford (R), 100
Canada, 153, 481; (R) 706
Canadian Cordillera, 481

Caradoc, 159
Carbon isotope, 17, 49, 63, 671
Carbonate Reservoir Characterization (R), 340
Carbonate rocks, 189; (R) 96, 220, 340
Carboniferous, 177
Casanovas, M. L., Pereda Suberbiola, X., Santafe, J. V. & Weishampel, D. B. First lambeosaurine hadrosaurid from Europe: palaeobiogeographical implications, 205
Catalogue (R), 335
Caucasus (R), 213
Cawood, P. A., Lu, L., Zhao, G. & Wilde, S. A. Thermal evolution of two textural types of mafic granulites in the North China craton: evidence for both mantle plume and collisional tectonics, 223
Cenozoic (R), 331, 476
Cenozoic Foreland Basins of Western Europe (R), 476
Central Highlands, Scotland, 643
Chalk, 17, 361
Charles Doolittle Walcott, Paleontologist (R), 217
Chert, 413
Chianti Mountains, 133
Chigraptus, 153
China, 223; (R) 599, 706
Chinner, G. A., Rowley, P. D. & Agrell, S. O. The black skarns of Pine Canyon, Piute County, Utah, 343
Chroston, P. N., Jones, R. & Makin, B. Geometry of Quaternary sediments along the north Norfolk coast, UK: a shallow seismic study, 465
Cladistics (R), 215
Climate, 177
Climate change (R), 103, 104
Climate Change Policy. Facts, Issues and Analyses (R), 103
Coal, 321; (R) 84, 219, 332, 711, 706
Coal Prospects in India (R), 219
Coe, A. L., Armstrong, H. A. & Grant, S. F. Sequence stratigraphy of the Coniacian succession of the Anglo-Paris Basin, 17
A Colour Atlas of Carbonate Sediments and Rocks Under the Microscope (R), 220
Colour Shaded Relief Gravity Anomaly Map of Britain, Ireland and Adjacent Areas, 1:1 500 000 Scale (R), 92
Colour Shaded Relief Magnetic Anomaly Map of Britain, Ireland and Adjacent Areas, 1:1 500 000 Scale (R), 92
Common Fossil Plants of Western North America, 2nd ed. (R), 333
Coniacian, 17
Conodont, 119
Continental margin, 579, 593
Copper ore, 159
Cores from the Northwest European Hydrocarbon Province. An Illustration of Geological Applications from Exploration to Development (R), 90
Cornwall (R), 710
Cretaceous, 17, 205, 361, 681
Crimes, T. P. & McIlroy, D. A biota of Ediacaran aspect from lower Cambrian strata on the Digermul Peninsula, Arctic Norway, 633
The Crucible of Creation. The Burgess Shale and the Rise of Animals (R), 83
Cumbria (R), 477

Dalradian, 609, 643
Dana's Minerals and How to Study Them, 4th ed. (R), 106
Dating (R), 336
De la Beche, H. T. (R), 335
The Dead Sea. The Lake and Its Setting (R), 334
Dean, W. T., Uyeno, T. T. & Rickards, R. B. Ordovician and Silurian stratigraphy and trilobites, Taurus Mountains near Kemer, southwestern Turkey, 373
Deformation, 133
Delgado, A., Bustillo, M. A., Garcia-Guinea, J. & Martinez-Frias, J. Unusual sedimentary geodes filled by gold-bearing hematite laths, 671
Denmark, 561
Dentith, M. C., Bevan, A. W. R., Backhouse, J., Featherstone, W. E. & Koeberl, C. Yallalie: a buried structure of possible impact origin in the Perth Basin, Western Australia, 619
Destiny or Chance: Our Solar System and its Place in the Cosmos (R), 699
Detachment depth, 395
Devonian (R), 105
Diagenesis, 413; (R) 85, 88
Diagenesis: A Quantitative Perspective. Implications for Basin Modelling and Rock Property Prediction (R), 85
Dickson, J. A. D., Schiavon, N., Fallick, A. E. & Maliva, R. G. Self-organization origin of wood-grained chert, Portland Limestone Formation (Upper Jurassic), southern England, 413
Digermul Peninsula, 633
Dinosaur, 205; (R) 94, 337
Dinosaur Impressions. Postcards from a Paleontologist (R), 337
Dunlop, J. A., Eagar, R. M. C., Horrocks, C. A., Wilson, H. M. & Anderson, L. I. Soft-bodied fossils from the roof shales of the Wigan Four Foot coal seam, Westhoughton, Lancashire, UK, 321
Dyke, clastic, 301

Eagar, R. M. C., Horrocks, C. A., Wilson, H. M., Anderson, L. I. & Dunlop, J. A. Soft-bodied fossils from the roof shales of the Wigan Four Foot coal seam, Westhoughton, Lancashire, UK, 321
Earth: An Introduction to Physical Geology, 6th ed. (R), 604
Earth: Evolution of a Habitable World (R), 604
Earth, origin of (R), 604, 699, 700
Earthquake (R), 213, 333
The Earth's Mantle. Composition, Structure and Evolution (R), 214
Earth's Restless Surface (R),709
East Africa (R), 339
East European Platform, 593
Eclogite, 111
Economic geology (R), 218
Ediacara fauna, 633
Egypt, 285
Elements of Petroleum Geology, 2nd ed. (R), 338
Emplacement history, 513
Encyclopedia (R), 94, 106, 708
Encyclopedia of Dinosaurs (R), 94
Encyclopedia of Environmental Science (R), 708
Encyclopedia of Mineral Names (R), 106
Enders, M. & Bröcker, M. U–Pb zircon geochronology of unusual eclogite-facies rocks from Syros and Tinos (Cyclades, Greece), 111
England, 17, 159, 189, 321, 361, 413, 423, 453, 465, 543, 681; (R) 97, 100, 710
English, L. T. P. The use of magnetic susceptibility and trace element geochemistry for the correlation of fine-grained siliciclastic sequences: a Late Llandovery example from northwest England, 423

Environmental change (R), 331
Environmental geology (R), 99, 332, 704, 708, 709
Environmental Geology. Geology and the Human Environment (R), 704
Estonia, 49
European Coal Geology and Technology (R), 84
Eustasy, 49, 75, 311
Evaporite (R), 477
Evolution, arthropod (R), 707; biological (R), 83, 86, 102, 603, 605, 706; crustal (R), 599; invertebrate (R), 603; of fan, 311; of mantle (R), 214; of melt, 285; structural, 643; tectonic (R), 101; vertebrate (R), 605
Evolution of Tertiary Mammals of North America. Volume 1: Terrestrial Carnivores, Ungulates, and Ungulatelike Mammals (R), 605
The Evolution Revolution (R), 102
Exceptional preservation, 321; (R) 83, 105
Exhumation history, 513

Falcon-Lang, H. J. The Early Carboniferous (Courceyan–Arundian) monsoonal climate of the British Isles: evidence from growth rings in fossil woods, 177
Fallick, A. E., Maliva, R. G., Dickson, J. A. D. & Schiavon, N. Self-organization origin of wood-grained chert, Portland Limestone Formation (Upper Jurassic), southern England, 413
Fanfare for Earth. The Origin of Our Planet and Life (R), 700
Fault system, 301
Fault transmissivity (R), 605
Fault-Related Rocks. A Photographic Atlas (R), 476
Faulting, Fault Sealing and Fluid Flow in Hydrocarbon Reservoirs (R), 605
Featherstone, W. E., Koeberl, C., Dentith, M. C., Bevan, A. W. R. & Backhouse, J. Yallalie: a buried structure of possible impact origin in the Perth Basin, Western Australia, 619
Field Geophysics, 2nd ed. (R), 217
Fisher, R. V. (R), 478
Fission track age, 513
Fluid flow (R), 88, 605, 707
Foraminifera, 543, 561
Fossil record (R), 213
The Fossils of the Hunsrück Slate. Marine Life in the Devonian (R), 105
Fossil wood, 177
France, 17, 361
From Magma to Tephra. Modelling Physical Processes of Explosive Volcanic Eruptions, 699

Gabal El-Urf, 285
Ganssloser, M. Detrital chromian spinels in Rhenohercynian greywackes and sandstones (Givetian–Visean, Variscides, Germany) as indicators of ultramafic source rocks, 437
Garcia-Guinea, J., Martinez-Frias, J., Delgado, A. & Bustillo, M. A. Unusual sedimentary geodes filled by gold-bearing hematite laths, 671
Garhwal, 513
Gas Hydrates. Relevance to World Margin Stability and Climatic Change (R), 104
General Geocryology (R), 338
Geochemistry, 63, 111, 285, 361, 593, 661; (R) 84, 88, 98, 477; sedimentary, 423, 493; soil (R), 332
Geochronology, 111, 513, 543, 561, 593; (R) 336
Geocryology (R), 338
Geode, 671
Geodynamic Domains in the Alpine–Himalayan Tethys (R), 705
Geological Maps. An Introduction, 2nd ed. (R), 95
Geological Methods for Archaeology (R), 87
Geological Processes on Continental Margins: Sedimentation, Mass-Wasting and Stability (R), 89
The Geology of Cornwall (R), 710
Geology of East Africa (R), 339
Geology of Himachal Pradesh (R), 334
Geology of Rum and the Adjacent Islands. Memoir for 1:50000 Geological Sheet 60 (Scotland) (R), 603
The Geology of Svalbard (R), 331
Geology of the Country around Hitchin. Memoir for 1:50000 Geological Sheet 221 (England and Wales) (R), 97
Geology of the Country around Trevose Head and Camelford. Memoir for 1:50000 Geological Sheets 335 and 336 (England and Wales) (R), 100
Geology of the United Kingdom. CD-ROM (R), 89
Geology of the United States' Seafloor. The View from GLORIA (R), 85
Geology of the West Cumbria District. Memoir for 1:50000 geological sheets 28 Whitehaven, 37 Gosforth and 47 Bootle (England and Wales) (R), 477
Geology Today: Understanding our Planet (R), 604
Geology, general (R), 604, 710; regional (R), 85, 89, 92, 96, 97, 100, 213, 218, 219, 331, 334, 339, 475, 477, 603, 710
Geomorphology (R), 89, 709
Geophysics (R), 217, 333
Germany, 361, 437
Gibbard, P. L., Pettit, M. E. & Richards, A. E. The sedimentology and palaeoecology of the Westleton Member of the Norwich Crag Formation (Early Pleistocene) at Thorington, Suffolk, England, 453
Glaciers of California. Modern Glaciers, Ice Age Glaciers, the Origin of Yosemite Valley, and a Glacier Tour of the Sierra Nevada (R), 219
Gold, 671
Gondwana, 1
Gotland, 661
Gozalo, R., Sdzuy, K. & Liñán, E. The Leonian Stage (early Middle Cambrian): a unit for Cambrian correlation in the Mediterranean subprovince, 39
Granite, 285, 513
Granitoid, 285
Grant, S. F., Coe, A. L. & Armstrong, H. A. Sequence stratigraphy of the Coniacian succession of the Anglo-Paris Basin, 17
Granulite, 223
Graptolite, 153, 263
Gravity anomaly (R), 92
Greece, 111, 241
Groundwater in Geologic Processes (R), 707
GSLIB. Geostatistical Software Library and User's Guide, 2nd ed. (R), 102
Guns, Germs and Steel. A Short History of Everybody for the Last 13,000 Years (R), 91
Gürbüz, K. Regional implications of structural and eustatic controls in the evolution of submarine fans: an example from the Miocene Adana Basin, southern Turkey, 311

Hadrosaurid, 205
Handbook of Mineralogy. Volume III. Halides, Hydroxides, Oxides (R), 703
Hematite, 671

Hetzel, R. & Romer, R. L. U–Pb dating of the Verkniy Ufaley intrusion, middle Urals, Russia: a minimum age for subduction and amphibolite facies overprint of the East European continental margin, 593
Himachal Pradesh (R), 334
Himalaya, 513; (R) 91, 705
Himalayan Cambrian Trilobites (R), 91
Historical and Prehistorical Earthquakes in the Caucasus (R), 213
History of geology (R), 216, 217, 335, 337, 600, 601, 697, 699, 706
Hitchin (R), 97
Holdsworth, R. E., Beacom, L. E. & Anderson, T. B. Using basement-hosted clastic dykes as syn-rifting palaeostress indicators: an example from the basal Stoer Group, northwest Scotland, 301
Holness, M. B. Contact metamorphism and anatexis of Torridonian arkose by minor intrusions of the Rum Igneous Complex, Inner Hebrides, Scotland, 527
Horrocks, C. A., Wilson, H. M., Anderson, L. I., Dunlop, J. A. & Eagar, R. M. C. Soft-bodied fossils from the roof shales of the Wigan Four Foot coal seam, Westhoughton, Lancashire, UK, 321
Hunsrück Slate (R), 105
Hurford, A. J., Rex, D. C., Searle, M. P. & Noble, S. R. Age of crustal melting, emplacement and exhumation history of the Shivling leucogranite, Garhwal Himalaya, 513
Huxley: From Devil's Disciple to Evolution's High Priest (R), 601
Hydrate, gas (R), 104

Iberia, 39
Igneous rocks, 1, 159, 223, 285, 343, 361, 513, 527, 579, 593; (R) 214
Impact crater, 619; (R) 336
India (R), 219, 334
Indian Ocean (R), 96
An Introduction to Geological Structures and Maps, 6th ed. (R), 705
An Introduction to Optical Dating. The Dating of Quaternary Sediments by the Use of Photon-Stimulated Luminescence (R), 104
An Introduction to Satellite Image Interpretation (R), 92
Intrusion, 343, 527, 593
Invertebrate Palaeontology and Evolution, 4th ed. (R), 603
Ireland, 75; (R) 92
Isotope, argon, 513; carbon, 17, 49, 63, 671; lead, 111, 513, 593; neodymium, 285; oxygen, 17, 63, 413, 671; potassium, 513; strontium, 285; uranium, 111, 513, 593
Israel (R), 334
Issues in Environmental Geology: A British Perspective (R), 332
Italy, 133

Jackson, D. E. & Lenz, A. C. Occurrences of *Psigraptus* and *Chigraptus* gen. nov. in the Tremadoc of the Yukon Territory, Canada, 153
Jeppsson, L. & Batchelor, R. A. Wenlock metabentonites from Gotland, Sweden: geochemistry, sources and potential as chemostratigraphic markers, 661
Jones, R., Makin, B. & Chroston, P. N. Geometry of Quaternary sediments along the north Norfolk coast, UK: a shallow seismic study, 465
Jordan (R), 334
Joseph Leidy. The Last Man Who Knew Everything (R), 216
Jurassic, 1, 413, 481

Knudsen, K. L. & Sejrup, H. P. Geochronology and palaeoenvironment of marine Quaternary deposits in Denmark: new evidence from northern Jutland, 561
Koeberl, C., Dentith, M. C., Bevan, A. W. R., Backhouse, J. & Featherstone, W. E. Yallalie: a buried structure of possible impact origin in the Perth Basin, Western Australia, 619
Kontopoulos, N. & Zelilidis, A. Plio-Pleistocene alluvial architecture in marginal extensional narrow sub-basins: examples from southwest Greece, 241
Korsch, R. J. & Roser, B. P. Geochemical characterization, evolution and source of a Mesozoic accretionary wedge: the Torlesse terrane, New Zealand, 493

Lake District, 159
Lancashire, 321
Landforms of the Earth. Cause, Course, Effect, Animation. CD-ROM (R), 89
Långban: The Mines, Their Minerals, Geology and Explorers (R), 606
Late Palaeozoic and Early Mesozoic Circum-Pacific Events and Their Global Correlation (R), 95
Lead isotope, 111, 513, 593
Leat, P. T. & Riley, T. R. Large volume silicic volcanism along the proto-Pacific margin of Gondwana: lithological and stratigraphical investigations from the Antarctic Peninsula, 1
Lehnert, O., Bergström, S. M., Benedetto, J. L. & Vaccari, N. E. First record of Lower Silurian conodonts from South America: biostratigraphic and palaeobiogeographic implications of Llandovery conodonts in the Precordillera of Argentina, 119
Leidy, Joseph (R), 216
Lenz, A. C. & Jackson, D. E. Occurrences of *Psigraptus* and *Chigraptus* gen. nov. in the Tremadoc of the Yukon Territory, Canada, 153
Leonian Stage, 39
Life's Splendid Drama. Evolutionary Biology and the Reconstruction of Life's Ancestry, 1860–1940 (R), 706
Liñán, E., Gozalo, R. & Sdzuy, K. The Leonian Stage (early Middle Cambrian): a unit for Cambrian correlation in the Mediterranean subprovince, 39
Lithology, 1
Llandovery, 119, 423
Lu, L., Zhao, G., Wilde, S. A. & Cawood, P. A. Thermal evolution of two textural types of mafic granulites in the North China craton: evidence for both mantle plume and collisional tectonics, 223
Luminescence dating (R), 104
Lyell in America: Transatlantic Geology 1841–1853 (R), 600
Lyell: the Past is the Key to the Present (R), 337

Magma (R), 699
Magmatism, 1
Magnetic anomaly (R), 92
Magnetic susceptibility, 423
Makin, B., Chroston, P. N. & Jones, R. Geometry of Quaternary sediments along the north Norfolk coast, UK: a shallow seismic study, 465
Maliva, R. G., Dickson, J. A. D., Schiavon, N. & Fallick, A. E. Self-organization origin of wood-grained chert, Portland Limestone Formation (Upper Jurassic), southern England, 413
Mammal (R), 605
Manganese Mineralization: Geochemistry and Mineralogy of Terrestrial and Marine Deposits (R), 98

Mantle, 223, 285; (R) 214
Map (R), 92, 95, 705
Margin, continental (R), 89, 104
Market Weighton structure, 681
Martinez-Frias, J., Delgado, A., Bustillo, M. A. & Garcia-Guinea, J. Unusual sedimentary geodes filled by gold-bearing hematite laths, 671
Martma, T., Ainsaar, L. & Meidla, T. Evidence for a widespread carbon isotopic event associated with late Middle Ordovician sedimentological and faunal changes in Estonia, 49
McIlroy, D. & Crimes, T. P. A biota of Ediacaran aspect from lower Cambrian strata on the Digermul Peninsula, Arctic Norway, 633
Mediterranean, 39
Meidla, T., Martma, T. & Ainsaar, L. Evidence for a widespread carbon isotopic event associated with late Middle Ordovician sedimentological and faunal changes in Estonia, 49
Melt, 513; (R) 699
Melting the Earth. The History of Ideas on Volcanic Eruptions (R), 699
Memoir (R), 97, 100, 477, 603
Metallogenesis, 159; (R) 704
Metamorphic rocks, 111, 223
Metamorphism, 111, 223, 527, 593; (R) 106
Metasomatism, 343
Meteorite (R), 336, 709
Meteorites and Their Parent Planets, 2nd ed. (R), 709
Meteorites: Flux with Time and Impact Effects (R), 336
Microscopy (R), 220
Millward, D., Beddoe-Stephens, B. & Young, B. Pre-Acadian copper mineralization in the English Lake District, 159
Mineral Matter in Space, Mantle, Ocean Floor, Biosphere, Environmental Management and Jewelry (R), 101
Mineral resources, 159; (R) 93, 98, 101, 107, 218, 606
Mineralization, 159
Mineralogy, 361; (R) 98, 101, 106, 606, 703; sedimentary, 413, 437, 671; soil (R), 332
Miocene, 311, 343
Mitchell, S. F. & Underwood, C. J. Mid-Cretaceous onlap history of the Market Weighton structural high, northeast England, 681
Moghazi, A.-K. M. Magma source and evolution of Late Neoproterozoic granitoids in the Gabal El-Urf area, Eastern Desert, Egypt: geochemical and Sr–Nd isotopic constraints, 285
Mudstone, 423

Natural Environmental Change. The Last 3 Million Years (R), 331
Neodymium isotope, 285
Neoproterozoic, 63, 285, 609
New England Orogen (R), 704
New Zealand, 493
Noble, S. R., Hurford, A. J., Rex, D. C. & Searle, M. P. Age of crustal melting, emplacement and exhumation history of the Shivling leucogranite, Garhwal Himalaya, 513
Norfolk, 465, 543
North America (R), 98, 333, 605
North Sea, 543, 561; (R) 97
Norway, 633

O'Connor, P. D. & Williams, D. M. Tectonic control on sedimentation during transgression: a case study from Silurian successions in Ireland and Scotland, 75
Optical dating (R), 104
Ordovician, 49, 153, 373, 579
Ore, 159
Organic matter (R), 706, 711
Organic Petrology. A New Handbook incorporating some revised parts of Stach's Textbook of Coal Petrology (R), 711
The Origin and Early Diversification of Land Plants. A Cladistic Study (R), 215
Orogen, Alpine–Himalayan (R), 705; New England (R), 704
Out of the Crater. Chronicles of a Volcanologist (R), 478
Oxygen isotope, 17, 63, 413, 671

Pacific Ocean (R), 95, 96
Palaeobiogeography, 119, 205, 481
Palaeobotany, 177; (R) 215, 333
Palaeoclimate, 177; (R) 599
Palaeoecology, 453
Palaeoenvironment, 561
Palaeogeography, 119, 205, 481
Palaeontologist (R), 216, 217, 335, 337
Palaeontology (R), 213, 217; invertebrate (R), 603
Palaeostress indicator, 301
The Papers of H. T. De la Beche (1796–1855) in the National Museum of Wales (R), 335
People and the Earth. Basic Issues in the Sustainability of Resources and Environment (R), 99
Pereda Suberbiola, X., Santafe, J. V., Weishampel, D. B. & Casanovas, M. L. First lambeosaurine hadrosaurid from Europe: palaeobiogeographical implications, 205
Permafrost (R), 338
Perth Basin, 619
A Petrographic Atlas of Canadian Coal Macerals and Dispersed Organic Matter (R), 706
Petroleum geology (R), 90, 96, 97, 218, 338, 340, 600, 605
Petroleum Geology of North Africa (R), 218
Petroleum Geology of the North Sea. Basic Concepts and Recent Advances, 4th ed. (R), 97
Petrology (R), 711
Pettit, M. E., Richards, A. E. & Gibbard, P. L. The sedimentology and palaeoecology of the Westleton Member of the Norwich Crag Formation (Early Pleistocene) at Thorington, Suffolk, England, 453
Phylogeny (R), 707
The Physics of Explosive Volcanic Eruptions (R), 699
Piute County, 343
Planetary geology (R), 336, 699, 700, 709
Plant (R), 215, 333
Pleistocene, 241, 453
Pliocene, 241
Poblet, J. & Bulnes, M. Estimating the detachment depth in cross sections involving detachment folds, 395
Pontides, 579
Portland Limestone, 413
Potassium isotope, 513
Power generation (R), 332
Prave, A. R. The Neoproterozoic Dalradian Supergroup of Scotland: an alternative hypothesis, 609
Precambrian Crustal Evolution of China (R), 599
Provenance study, 437, 493, 661
Psigraptus, 153

Quaternary, 453, 465, 543, 561; (R) 331, 336

Ratcliffe, K. T. & Thomas, A. T. Carbonate depositional environments in the late Wenlock of England and Wales, 189

Reefs and Carbonate Platforms in the Pacific and Indian Oceans (R), 96
Regional and Petroleum Geology of the Black Sea and Surrounding Region (R), 96
Remote sensing (R), 85, 92, 216, 702, 710
The Remote Sensing Data Book (R), 710
Remote Sensing Imagery for Natural Resources Monitoring. A Guide for First-Time Users (R), 216
Remote Sensing. Models and Methods for Image Processing, 2nd ed. (R), 702
Remote Sensing. The Image Chain Approach (R), 702
Reptile (R), 93
Republic of Yemen, 2nd ed. (R), 475
Reservoir, carbonate (R), 340
Resources (R), 99; mineral (R), 93, 98, 101, 107
Rex, D. C., Searle, M. P., Noble, S. R. & Hurford, A. J. Age of crustal melting, emplacement and exhumation history of the Shivling leucogranite, Garhwal Himalaya, 513
Richards, A. E., Gibbard, P. L. & Pettit, M. E. The sedimentology and palaeoecology of the Westleton Member of the Norwich Crag Formation (Early Pleistocene) at Thorington, Suffolk, England, 453
Rickards, R. B., Dean, W. T. & Uyeno, T. T. Ordovician and Silurian stratigraphy and trilobites, Taurus Mountains near Kemer, southwestern Turkey, 373
Riley, T. R. & Leat, P. T. Large volume silicic volcanism along the proto-Pacific margin of Gondwana: lithological and stratigraphical investigations from the Antarctic Peninsula, 1
The Rock Physics Handbook. Tools for Seismic Analysis in Porous Media (R), 709
Rogers, G. & Ustaömer, P. A. The Bolu Massif: remnant of a pre-Early Ordovician active margin in the west Pontides, northern Turkey, 579
Romer, R. L. & Hetzel, R. U–Pb dating of the Verkniy Ufaley intrusion, middle Urals, Russia: a minimum age for subduction and amphibolite facies overprint of the East European continental margin, 593
Roser, B. P. & Korsch, R. J. Geochemical characterization, evolution and source of a Mesozoic accretionary wedge: the Torlesse terrane, New Zealand, 493
Rowley, P. D., Agrell, S. O. & Chinner, G. A. The black skarns of Pine Canyon, Piute County, Utah, 343
Rum, 527; (R) 603
Russia, 593

Samuelsson, J. & Strauss, H. Stable carbon and oxygen isotope geochemistry of the upper Visingö Group (early Neoproterozoic), southern Sweden, 63
Santafe, J. V., Weishampel, D. B., Casanovas, M. L. & Pereda Suberbiola, X. First lambeosaurine hadrosaurid from Europe: palaeobiogeographical implications, 205
Santorini and Its Eruptions (R), 697
Schiavon, N., Fallick, A. E., Maliva, R. G. & Dickson, J. A. D. Self-organization origin of wood-grained chert, Portland Limestone Formation (Upper Jurassic), southern England, 413
Scotland, 75, 301, 527, 609, 643; (R) 603
Scourse, J. D., Austin, W. E. N., Sejrup, H. P. & Ansari, M. H. Foraminiferal isoleucine epimerization determinations from the Nar Valley Clay, Norfolk, UK: implications for Quaternary correlations in the southern North Sea basin, 543
Sdzuy, K., Liñán, E. & Gozalo, R. The Leonian Stage (early Middle Cambrian): a unit for Cambrian correlation in the Mediterranean subprovince, 39
Sea-level change, 17, 49, 75, 681
Sea-level curve, 681
Searle, M. P., Noble, S. R., Hurford, A. J. & Rex, D. C. Age of crustal melting, emplacement and exhumation history of the Shivling leucogranite, Garhwal Himalaya, 513
Sedimentation, 75; (R), 89
Sedimentology & Stratigraphy (R), 708
Sedimentology, 49, 189, 241, 413, 453, 543, 561, 681; (R) 332, 708
Seismic analysis (R), 709
Seismic profile, 465, 619
Seismicity (R), 213
Seismology (R), 333
Sejrup, H. P. & Knudsen, K. L. Geochronology and palaeoenvironment of marine Quaternary deposits in Denmark: new evidence from northern Jutland, 561
Sejrup, H. P., Ansari, M. H., Scourse, J. D. & Austin, W. E. N. Foraminiferal isoleucine epimerization determinations from the Nar Valley Clay, Norfolk, UK: implications for Quaternary correlations in the southern North Sea basin, 543
Sequence stratigraphy, 17
Shivling, 513
Silurian, 75, 119, 189, 263, 373, 423, 661
Skarn, 343
Soft-bodied fossil, 321
Soils and Sediments. Mineralogy and Geochemistry (R), 332
Solar System (R), 699
South America, 119
Southeast Asia – Air Pollution Control and Coal-Fired Power Generation (R), 332
Spain, 205, 671
Spinel, 437
Spitsbergen (R), 331
Stable isotope, 17, 49, 63, 413; (R) 84
Stable Isotope Geochemistry, 4th ed. (R), 84
Statistics (R), 93, 102, 107
Stikinia, 481
Stoer Group, 301
Stratigraphy, 39, 49, 63, 361, 373, 423, 579; (R) 708; bio-, 119, 543, 561; chemo-, 661; chrono-, 1, 39; sequence, 17
Strauss, H. & Samuelsson, J. Stable carbon and oxygen isotope geochemistry of the upper Visingö Group (early Neoproterozoic), southern Sweden, 63
Strontium isotope, 285
Structural geology, 133, 301, 395, 643; (R) 476, 605, 705
Subsidence curve, 75
Suffolk, 453
Svalbard (R), 331
Sweden, 63, 661; (R) 606
Syros, 111
Systematics (R), 707

Taphonomy (R), 213
Taquet, P. (R), 337
Tay Nappe, 643
Teach Yourself Geology (R), 710
Tectonic Boundary Conditions for Climate Reconstructions (R), 599
The Tectonic Evolution of Asia (R), 101
Tectonics, 75, 223, 311, 609; (R) 95, 101, 599, 704, 705

Tectonics and Metallogenesis of the New England Orogen (R), 704
Tephra, 361; (R) 699
Terrane, 493; history of movement, 481
Tertiary (R), 605
Tethys (R), 705
Theoretical Global Seismology (R), 333
Thomas, A. T. & Ratcliffe, K. T. Carbonate depositional environments in the late Wenlock of England and Wales, 189
Thrust system, 133
Tinos, 111
Torlesse terrane, 493
Torridonian, 527
Treagus, J. E. A structural reinterpretation of the Tummel Belt and a transpressional model for evolution of the Tay Nappe in the Central Highlands of Scotland, 643
Tremadoc, 153
Trevose Head (R), 100
Triassic, 671
Trilobite, 373; (R) 91
Tummel Belt, 643
Turkey, 311, 373, 579

UK, 17, 75, 159, 177, 189, 263, 301, 321, 361, 413, 423, 453, 465, 527, 543, 609, 643, 681; (R) 89, 92, 93, 603
Underwood, C. J. & Mitchell, S. F. Mid-Cretaceous onlap history of the Market Weighton structural high, northeast England, 681
United Kingdom Minerals Yearbook 1996. Statistical Data to 1995 (R), 93
Urals, 593
Uranium isotope, 111, 513, 593
USA, 343; (R) 85, 219
Ustaömer, P. A. & Rogers, G. The Bolu Massif: remnant of a pre-Early Ordovician active margin in the west Pontides, northern Turkey, 579
Utah, 343
Uyeno, T. T., Rickards, R. B. & Dean, W. T. Ordovician and Silurian stratigraphy and trilobites, Taurus Mountains near Kemer, southwestern Turkey, 373

Vaccari, N. E., Lehnert, O., Bergström, S. M. & Benedetto, J. L. First record of Lower Silurian conodonts from South America: biostratigraphic and palaeobiogeographic implications of Llandovery conodonts in the Precordillera of Argentina, 119
Verkniy Ufaley, 593
Vertebrate, 205, 321
Vertebrate palaeontology (R) 86, 93, 94, 337, 605, 703
Visingö Group, 63
Volcanic rocks, 1, 361, 579; (R) 697, 699
Volcanologist (R), 478

Walcott, Charles Doolittle (R), 217
Wales, 189, 263
Weishampel, D. B., Casanovas, M. L., Pereda Suberbiola, X. & Santafe, J. V. First lambeosaurine hadrosaurid from Europe: palaeobiogeographical implications, 205
Wenlock, 189, 263, 661
Westhoughton, 321
What Drives Metamorphism and Metamorphic Reactions? (R), 106
Wilde, S. A., Cawood, P. A., Lu, L. & Zhao, G. Thermal evolution of two textural types of mafic granulites in the North China craton: evidence for both mantle plume and collisional tectonics, 223
Williams, D. M. & O'Connor, P. D. Tectonic control on sedimentation during transgression: a case study from Silurian successions in Ireland and Scotland, 75
Williams, M. & Zalasiewicz, J. Graptolite biozonation of the Wenlock Series (Silurian) of the Builth Wells district, central Wales, 263
Wilson, H. M., Anderson, L. I., Dunlop, J. A., Eagar, R. M. C. & Horrocks, C. A. Soft-bodied fossils from the roof shales of the Wigan Four Foot coal seam, Westhoughton, Lancashire, UK, 321
Wood, fossil, 177
World Mineral Statistics 1991–95 (R), 107
Wrangellia, 481
Wray, D. S. Identification and long-range correlation of bentonites in Turonian–Coniacian (Upper Cretaceous) chalks of northwest Europe, 361

Yallalie, 619
Yemen (R), 475
Young, B., Millward, D. & Beddoe-Stephens, B. Pre-Acadian copper mineralization in the English Lake District, 159

Zalasiewicz, J. & Williams, M. Graptolite biozonation of the Wenlock Series (Silurian) of the Builth Wells district, central Wales, 263
Zelilidis, A. & Kontopoulos, N. Plio-Pleistocene alluvial architecture in marginal extensional narrow sub-basins: examples from southwest Greece, 241
Zhao, G., Wilde, S. A., Cawood, P. A. & Lu, L. Thermal evolution of two textural types of mafic granulites in the North China craton: evidence for both mantle plume and collisional tectonics, 223